

ACTIVE ENDOSCOPE USING MAGNETIC TORQUE

Patent number: JP2000175865

Publication date: 2000-06-27

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Classification:

- International: A61B1/00; A61B8/12; G01B7/00; G02B23/24

- european:

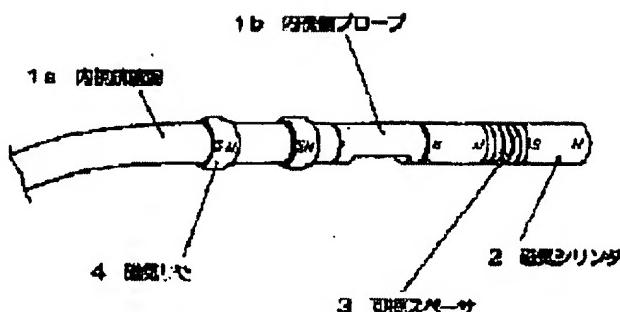
Application number: JP19980378125 19981218

Priority number(s):

Abstract of JP2000175865

PROBLEM TO BE SOLVED: To permit active bending of an endoscope and reduction of its diameter of by fastening a cylindrical magnetic cylinder made up of a magnetized magnetic body to the tip of a flexible endoscope and connecting by a flexible spacer made of a soft material or the like when a plurality of magnetic cylinders are involved.

SOLUTION: A cylindrical magnetic cylinder 2 made up of one or more than one magnetized ferromagnetic body. Is fastened to the tip of the endoscope probe 1b of a flexible endoscope. When a plurality of magnetic cylinders 2 are involved, they are connected onto a flexible material or coil through a flexible spacer 3 made up of an object. In addition, to increase the flexibility and bendability of an endoscope body 1a, the flexible space 3 is inserted into necessary parts such as the joint of the endoscope body 1a and the endoscope probe 1b and connected. Thus, widespread use of equipment is ensured by enabling an endoscope diameter to be reduced by simplifying the structure of the active endoscope and lowering the marketing price by making it easy to manufacture and process.



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